

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2000197895
PUBLICATION DATE : 18-07-00

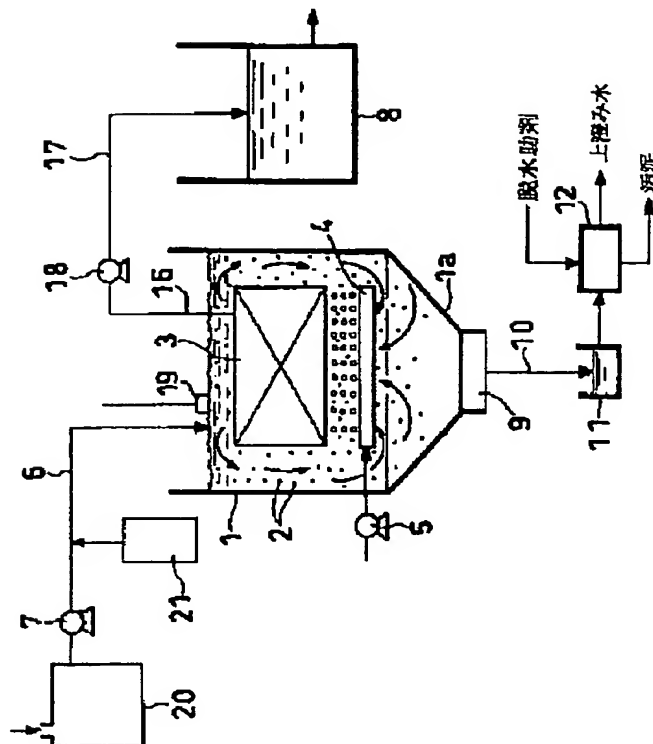
APPLICATION DATE : 16-02-99
APPLICATION NUMBER : 11037038

APPLICANT : HITACHI ZOSEN CORP;

INVENTOR : UEDA NAKO;

INT.CL. : C02F 3/06 B01D 65/02 B01F 1/00
B01F 3/04 C02F 1/28 C02F 1/44
C02F 1/52 C02F 1/78

TITLE : WATER PURIFYING TREATMENT
METHOD AND APPARATUS



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the plottage of an equipment, to facilitate operation control, to reduce equipment building cost and operation cost and to efficiently remove salt-tolerant protozoa such as cryptosporidium or the like.

SOLUTION: A water purifying treatment method is adapted in order to obtain service water from raw water such as river water, lake and marsh water, pond water or ground water. Raw water is treated with ozone to be introduced into a treatment tank 1 housing granular activated carbon 2 having aerobic microorganisms deposited on the surface thereof. Org. matter in the raw water treated with ozone to be introduced into the treatment tank 1 is adsorbed on the surface of activated carbon 2 to be decomposed by aerobic microorganisms. The decomposed substance of org. matter and other suspended matter are filtered off by the filter membrane unit 3 immersed in the liquid within the treatment tank.

COPYRIGHT: (C)2000,JPO